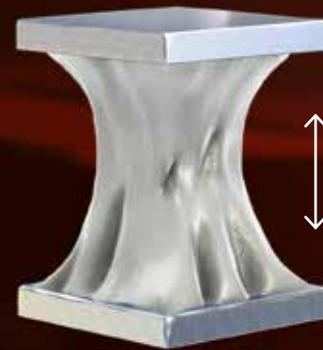
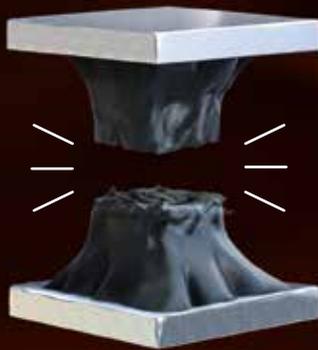




FLEXIBLE
ADHESIVES
AND
SEALANTS

Varied substrates. High elongation. **For joints with high movement.**



PROBLEM

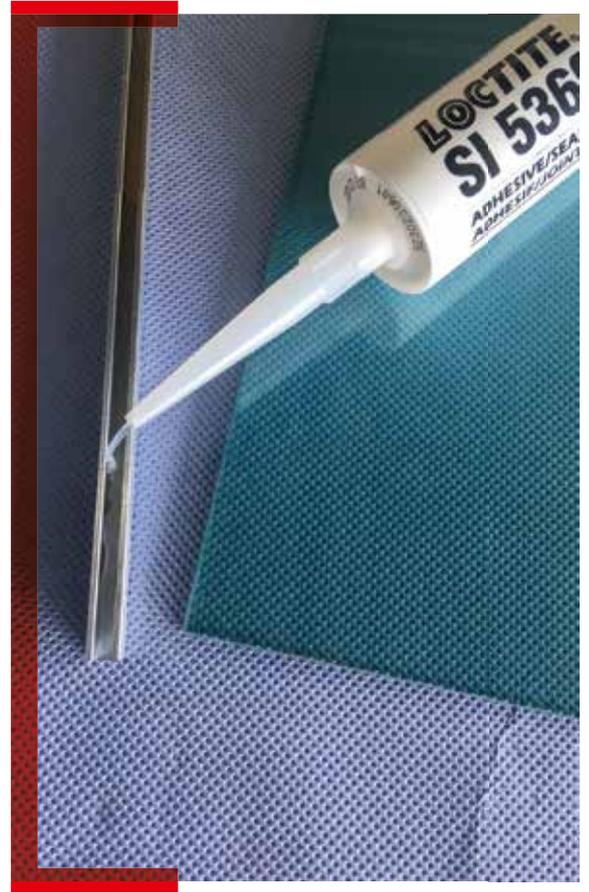
With rigid adhesives:
Joints may fail due to high elongation and dynamic stresses.

SOLUTION

With flexible adhesives:
Joints tolerate movement and loading.

Bonding and sealing for dynamic loads.

Flexible adhesives and sealants are ideal for applications that are subjected to high elongation / joint movements and require durable adhesion to a variety of substrates. They fill large gaps, and once cured, their resilient properties provide waterproof seals and strong bonds that can withstand high tensile and impact forces. They can also withstand cold and hot temperature cycles, where substrates expand and contract at different rates. They can also have UV resistance.



How to choose a flexible adhesive or sealant.

BONDING VS. SEALING

While all of the flexible adhesives and sealants provide both a bond and a seal, some are formulated with higher tensile strengths which make them better suited for bonding applications. Alternatively, others are developed with higher elongation properties, which make them ideally suited for sealing applications.



PAINTABILITY

SMP*-based adhesives and sealants are paintable after application (skin formation), while silicone-based adhesives and sealants are not compatible with subsequent painting process.



TEMPERATURE

The operating temperature requirements of the end application may have an impact on which flexible adhesive and sealant is best suited for your application.



CURE SPEED

2K flexible adhesives and sealants can provide fast cure times, while 1K products rely on atmospheric moisture and require longer cure times.

* Silane Modified Polymer



BEST SELLER

TEROSON MS 939

Primerless, Multi-Purpose Adhesive

TEROSON MS 939 is an industrial elastomeric bonding adhesive that offers high versatility. It demonstrates high strength, good elasticity and excellent weathering resistance.

Benefits:

- Free of solvents, isocyanates, silicones and PVC
- Also available as a fire resistant and 2k product.
- Available in white, black and grey.



Paintability:

Yes



Temperature range:

-40 °C to +100 °C



Cure rate:

3 mm depth in 24h



BEST SELLER

TEROSON MS 930

Primerless Sealant / Adhesive

TEROSON MS 930 is a moisture-curing, thixotropic silane modified polymer sealant/adhesive. Suitable for various applications involving a wide range of substrate materials. It forms a soft elastic product and provides excellent UV and weather resistance.

Benefits:

- Free of solvents, isocyanates, silicones and PVC
- Easy application.



Paintability:

Yes



Temperature range:

-40 °C to +80 °C



Cure speed:

4mm depth in 24 h



Find the right product for your application



Flexible Adhesives

TEROSON MS 939
TEROSON MS 9399

Flexible Sealants

TEROSON MS 930
LOCTITE SI 5366
LOCTITE SI 5367
LOCTITE SI 5368

PLEASE CONTACT YOUR HENKEL REPRESENTATIVE FOR MORE INFORMATION

on the full range of Flexible Adhesives and Sealants

* To improve adhesion of TEROSON MS products on difficult-to-bond materials, we recommend cleaner/adhesion promoter TEROSON SB 450 or Corona/Plasma treatment.

Flexible Adhesives



TEROSON MS 939*

1K Silane Modified Polymer



Paintability: Yes



Temperature resistance: 100 °C



Cure rate: 3mm in 24 h

Colour: Black, white, grey
Cure method: Moisture
Tensile strength: 3 N/mm²



TEROSON MS 9399*

2K Silane Modified Polymer



Paintability: Yes



Temperature resistance: 100 °C



Cure rate: Full cure in 24 h

Colour: Black, white, grey
Cure method: 2K mix
Tensile strength: 3 N/mm²

Equipment



LOCTITE

300 ml Manual Cartridge Dispenser
IDH 142240

Dispenser for adhesives and sealants in 290 ml, 300 ml and 310 ml plastic and aluminium cartridges.



LOCTITE 97002

300 ml Pneumatic Cartridge Dispenser
IDH 88632

Pneumatic dispenser for applying products from 300 ml cartridges. Pneumatic pressurisation minimises operator fatigue. Flow rate is controlled via the integrated pressure regulator.

ADDITIONAL EQUIPMENT

400 ml

LOCTITE EQ HD14
400 ml Dual Cartridge Dispenser

1:1, 2:1, 4:1, 10:1

Manual: IDH 2693823

Pneumatic: IDH 2693825

Please refer to page 130 for additional equipment/information.

Flexible Sealants



TEROSON MS 930*
1K Silane Modified Polymer



Paintability: Yes



Temperature resistance: 80 °C



Cure rate: 4mm in 24 h

Skin over time: 10-40 min.
Colour: Black, white, grey
Cure method: Moisture
Tensile strength: 1 N/mm²



LOCTITE SI 5366
1K Silicone



Paintability: No



Temperature resistance: 200 °C



Cure rate: 4mm in 24 h

Skin over time: 5 min.
Colour: Clear
Cure method: Moisture
Tensile strength: 2.5 N/mm²



LOCTITE SI 5367
1K Silicone



Paintability: No



Temperature resistance: 200 °C



Cure rate: 4mm in 24 h

Skin over time: 5 min.
Colour: White
Cure method: Moisture
Tensile strength: 2 N/mm²



LOCTITE SI 5368
1K Silicone



Paintability: No



Temperature resistance: 200 °C



Cure rate: 4mm in 24 h

Skin over time: 5 min.
Colour: Black
Cure method: Moisture
Tensile strength: 2.5 N/mm²

FLEXIBLE ADHESIVES

Product	Pack Size	Colour	Features	Extrusion Rate (g/min)	Technology	Skin Over Time (min.)	Temperature Range (°C)	Shore Hardness	Tensile Strength (N/mm ²)	Elongation at Break (%)
TEROSON MS 939	290 ml, 570 ml sausage	Black, white, grey	Primerless, good UV / weather resistance, paintable, solvent / isocyanate-free	N/A	Silane Modified Polymer	5	-40 to +100	A 55	3	250
TEROSON MS 9399	400 ml	Part A: Black, white, grey; Part B: Black, white, grey	2K, non-sag, high tack, fast set time	N/A	Silane Modified Polymer	2k product	-40 to +100	A 55	3	150

FLEXIBLE SEALANTS

TEROSON MS 930	310 ml	Black, white, grey	Primerless, good UV / weather resistance, solvent / isocyanate-free	300	Silane modified polymer	25	-50 to +80	A 30	1	250
LOCTITE SI 5366	310 ml	Clear	Good resistance to extreme thermal and UV cycling without hardening, shrinking or cracking	40	Silicone	5	-50 to +200	A 25	2.5	530
LOCTITE SI 5367	310 ml	White	Good resistance to extreme thermal and UV cycling without hardening, shrinking or cracking	100	Silicone	5	-50 to +200	A 20	2	500
LOCTITE SI 5368	310 ml	Black	Good resistance to extreme thermal and UV cycling without hardening, shrinking or cracking	100	Silicone	5	-50 to +200	A 26	2.2	435



A Single Flexible Option to Replace Other Elevator Joint Methods



“TEROSON MS 930 reduced our elevator door production time and cost, while improving product quality.”

Manufacturers of elevators and elevator components have discovered that **TEROSON MS 930** allows them to replace everything from other adhesives to traditional joining methods with a single solution that performs better and is faster, easier and safer to apply.

A LOCTITE Engineering Solutions Expert helped one elevator door manufacturer replace spot welding operations for internal door supports with **TEROSON MS 930** to improve product quality and simplify the assembly process. Another manufacturer designing a new elevator door jamb learned how to use **TEROSON MS 930** to replace a competitor’s adhesive tape that required a flammable solvent primer to apply, resulting in improved plant safety and increased production output. Both manufacturers substantially reduced material costs as well.

BENEFITS

TEROSON MS 930 Flexible Adhesive:

- Distributes loading over the entire flange versus spot weld contact points
- Reduces plant power consumption compared to welding
- Does not deform metal surfaces and eliminates refinishing required after welding operations
- Improves plant safety by eliminating flammable solvent primer
- Increases production output by up to 90 % with faster dispensing speed and assembly
- Provides up to 27 % cost savings compared to adhesive tape